

Undergraduate Catalog of Courses

Volume 2008 2008-2009

Article 25

7-1-2008

Integral Program

Saint Mary's College of California

Follow this and additional works at: <http://digitalcommons.stmarys-ca.edu/undergraduate-catalog>

Recommended Citation

Saint Mary's College of California (2008) "Integral Program," *Undergraduate Catalog of Courses*: Vol. 2008 , Article 25.

Available at: <http://digitalcommons.stmarys-ca.edu/undergraduate-catalog/vol2008/iss1/25>

This Curriculum is brought to you for free and open access by Saint Mary's Digital Commons. It has been accepted for inclusion in Undergraduate Catalog of Courses by an authorized editor of Saint Mary's Digital Commons. For more information, please contact digitalcommons@stmarys-ca.edu.

INTEGRAL PROGRAM

The Integral Program of liberal arts is founded on the wager that it is still possible to appreciate and to evaluate all the main kinds of human thinking. It is thought that students in the Program can learn enough of the technical languages of the natural sciences, mathematics, literary criticism, social sciences, philosophy, and theology to follow arguments in those disciplines. The Program is not an honors curriculum but is intended rather for those drawn to a comprehensive view of education, of the liberal arts.

The Program is divided into the seminar and the tutorials: Language, Mathematics, Laboratory, and Music. During the fourth year, seniors are asked to marshal their experiences from seminar and tutorials to write a major essay and then defend it before the tutors and the other students. The tutors are drawn from the various departments of the larger college.

The Program had its origin in a two-year study beginning in the fall of 1955 and financed with a grant from the Rosenberg Foundation. Brother Sixtus Robert Smith, FSC, and James L. Hagerty of the faculty joined with consultants from Saint John's College, Annapolis, the University of California Berkeley and Stanford University, to establish this "college-within-a-college."

The first graduates were the class of 1960. From the beginning, a confident grasp of fundamental truths, a healthy skepticism toward passing dogma, and a reliance on reasoned deliberation has marked the graduates of the Program.

TUTORS

Theodore Tsukahara, Ph.D., *Economics, Director*

Brother Kenneth Cardwell, FSC, Ph.D., *Rhetoric*

Theodora Carlile, Ph.D., *Dramatic Art*

Rali Christo, Ph.D., *Classics*

Steven Cortright, M.A., *Philosophy*

Alexis Doval, Ph.D., *Theology*

John Albert Dragstedt, Ph.D., *Classical Languages*

Jose Feito, Ph.D., *Psychology*

Lewis Jordan, Ph.D., *Integral Studies*

Denis Kelly, M.A., *Classics*

Brother T. Brendan Kneale, FSC, *Emeritus*

Joseph Lanigan, Ph.D., *Emeritus*

Jacob Lester, Ph.D., *Biology*

Brother Donald Mansir, FSC, Ph.D., *Theology*

Brother Raphael Patton, FSC, Ph.D., *Mathematics*

Rafael Alan Pollock, *Emeritus*

Edward Porcella, Ph.D., *Philosophy*

Michael Riley, Ph.D., *Classical Languages*

James Sauerberg, Ph.D., *Mathematics*

David J. Smith, B.A., *English*

Roy Wensley, Ph.D., *Physics*

Brother Martin Yribarren, FSC, Ph.D., *Music*

REQUIREMENTS

As a separate curriculum, the Program offers a bachelor's degree proper to it. The degree is granted for the successful completion of the eight seminars, the eight tutorials in mathematics, the eight in language, the four laboratories, a tutorial in music, and the senior essay. Note that the College requires further the successful completion of four January courses and sufficient electives to bring the total to 36 courses.

Those completing the first two years of the Program have fulfilled all requirements of the College in general education, except English and two January courses.

PREREQUISITES

Each course in the Program beyond the first semester depends in an obvious way entirely on the courses taken earlier, making it impossible to join the Program later than the freshman year. In extraordinary cases, a remedial course in January may allow a freshman entrance in February.

Any course in this Program with a prerequisite assumes a grade of C– or better in the prerequisite course.

C O U R S E S

SEMINARS

I1–I2 Freshman Seminar

Homer, Aeschylus, Herodotus, Sophocles, Euripides, Aristophanes, Plato, Aristotle and Euripides.

I13–I14 Sophomore Seminar

The Law and Prophets, Psalms, Gospels and selected Epistles, Virgil, Lucretius, Tacitus, Plotinus, Epictetus, Augustine, Anselm, Aquinas, Dante, Chaucer, Rabelais, Machiavelli, Luther, Montaigne and Shakespeare.

I15–I16 Junior Seminar

Cervantes, Descartes, John of the Cross, Milton, Spinoza, Pascal, Corneille, Racine, Molière, Hobbes, Swift, Locke, Berkeley, Fielding, Leibniz, Hume, Boswell, Kant, Diderot, Rousseau, Voltaire, Blake and the Federalist Papers.

I17–I18 Senior Seminar

Goethe, Austen, Bernard, Hegel, Flaubert, Marx, Dostoevski, Kierkegaard, Melville, Twain, Tolstoi, Nietzsche, William James, Freud, Proust, Joyce, Heidegger, and a selection of modern authors.

I96 Senior Essay (.25)

The writing and defense of an essay under the direction of a tutor chosen by the student. This course is directed by the leader of the Senior Seminar.

TUTORIALS

31–32 Freshman Mathematics

The Elements of Euclid, the Timaeus, introduction to the Almagest of Ptolemy.

I33–I34 Sophomore Mathematics

The Almagest, the Conic Sections of Apollonius, selections from On the Revolutions of Copernicus and the Epitome of Kepler.

I35–I36 Junior Mathematics

The Geometry of Descartes, Principia Mathematica of Newton, an introduction to calculus.

I37–I38 Senior Mathematics

The Theory of Parallels of Lobachevski, the Essays on Numbers of Dedekind, and Relativity by Einstein.

51–52 Freshman Language

Grammar and expression: introduction to Greek vocabulary, morphology and syntax, the nature and function of parts of speech, phrases and clauses. Thought and the author's language: exercises taken from Herodotus, Plato, Sophocles, Thucydides, the New Testament, Aristotle, Euripides and Sappho.

53–54 Sophomore Language

Logic and dialectic: analysis and translation of Greek authors, with emphasis on dialectical investigation in the Phaedo, the Theaetetus, the Sophist, the Phaedrus and Prior Analytics.

I55–I56 Junior Language

English and American poetry and rhetoric. Close reading and discussion of a comedy, a tragedy and a romance of Shakespeare, poems of Wordsworth, Keats, Dickinson, Stevens, Yeats; the political rhetoric in Jefferson, Lincoln and Martin Luther King, Jr.; works on prejudice by Melville, Hawthorne, Douglass and O'Connor.

I57–I58 Senior Language

Dialectic ancient and modern: caution on its limits, the Philebus and Parmenides, Aristotle's *Ethics* and *Metaphysics*, Aquinas' *On the Principles of Nature* and *On Being and Essence*, Kant's *Critique of Pure Reason* and Hegel's *Phenomenology and Logic*.

71–72 Freshman Laboratory

Observation, description and measurement in optics, astronomy, statics and acoustics. Field and laboratory study of plants and birds. Readings: Aristotle, Galen, Archimedes, Euclid and Ptolemy. Fee: \$75 per term.

74 Music I

Introduction to basic terminology, notation, diatonic scale, rhythm and chords. Reading of early texts on music and group participation in making music. Fee: \$75.

I74 Music II

An optional extension to the Music I class for more careful treatment of theory and performance. This course is not required for the degree.

I75–I76 Junior Laboratory

Topics include classical mechanics, optics, pneumatics, chemistry and genetics. Readings from Galileo, Newton, Huygens, Torricelli, Boyle, Black, Priestley, Lavoisier, Avogadro, Darwin, Mendel and Morgan. Fee: \$75 per term.